

ABSTRACT

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2 A hybrid coating material and process for pigments and other powders, for
3 example cosmetic powders employs an organometallate, for example a titanate, and
4 a functionalized silicon compound, for example a trialkoxysilane or a
5 functionalized polysiloxane, which covalently bond to each other and to the
6 substrate powder. The coated powders can exhibit excellent hydrophobicity
7 coupled with lipophilicity. Employment of fluorinated silicon compounds may
8 provide hydrophobicity and lipophobicity. Examples show good dispersibility of
9 coated pigments in aqueous, oil and silicone fluids.